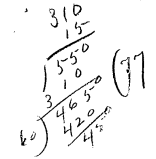
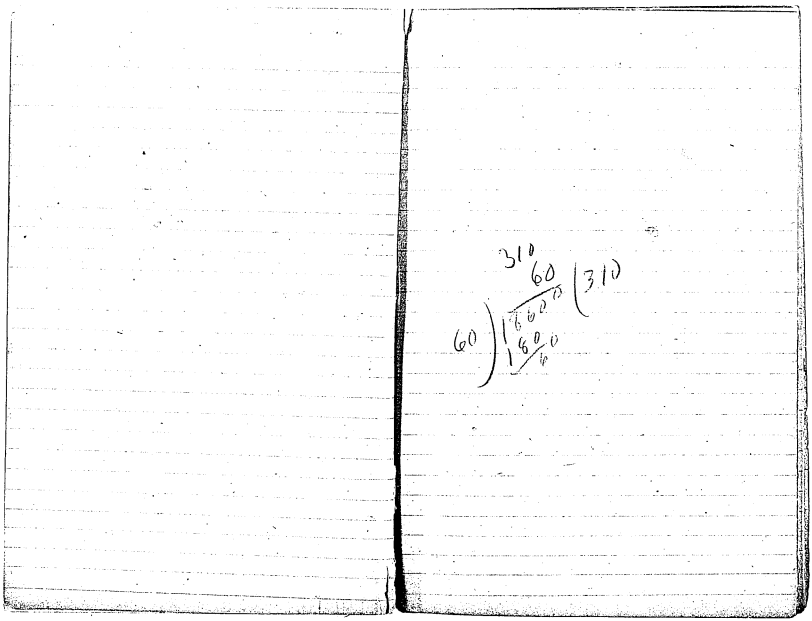
Notebook, N-00-11-24



Nov 24th 1900

Charcoal Carbon plates original weight 6·12 grms about 12 grms of Hg in them, 4 times have put in Nit Hg & then reduced in K.Ofy then water, then dried on hot plate then more Nit Hg - last two times reduced Hg to metallic state by current then soaked in Oxy then dried dipped it with Nit Hg then reduced by current to dry same thing again - then to Reduce to Hg - Will [illegible] from previous treating this plate will give 2 amphoras on Hg 20

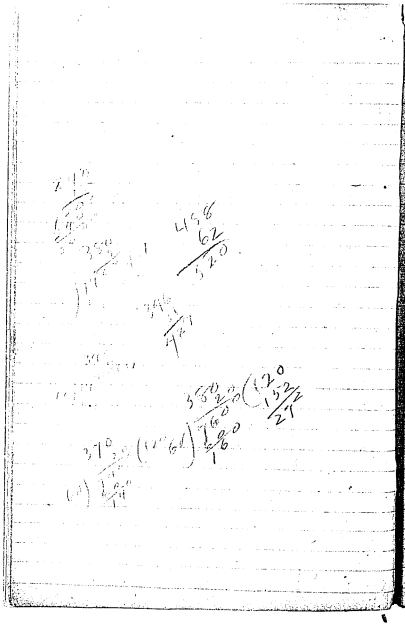
On reducing	MA.	
450 pm	370	
459	340	
500	325	
515	360	
530	360	
535	390	
545	390	
610	380	Opened ckt 750 MAH
Monday 845 am	330	6
915	350	Quieting - 900 MAH


310
60
60
18600
18600
310

Nov 24 1900

Charcoal plate, 10 charcoal 4 coal tar. Coated upon one through 200 mesh. Soaked in proto Chloride from then dried + put in Sulphide ammonia then dried + reduced with proto chl Fe + again put in Sulphide Kitty. This is 2nd turn, cleaned surface of plate + put in KOH reducing

Time	MA	
353	370	
356	680	
4.00	655	
402	380	quad too quant + cleared
405	380	reg watt
410	380	140 "
415	380	171 "
435	360	295 " gas at rate coming out
440	370	
445	370	356 "
450	370	386 "
455	340	414 "
5 pm	325	442 "
5 15	360	532 "



530	360	622 MAH – Gassing allows
		652 " Duplicate only groove in one electrode & very slight on Ni.
535	360	Reversed ~~to~~ Both –
		Now oxdz –
545	390	1-Streak on each –
6 pm	390	162 MAH
6 pm		Reversed to Reducing –
6 pm	375	
610	375	one grooving among the others slightly
		Opened Ckt 610 pm –
845 am	330	Monday – Both grooving –
915	340	gassing freely –
Revsd	Oxdz	
915	350	
935	390	120 MAH –
940	390	152 "
10 am –	380	272 "
1005	380	303 "
1010	385	334 "
1015	385	366 "
1020	386	396 "
1025	386	427 "
1030	386	458 "
1040	388	520 "

1045	551	1040 one of them going on Rt
1048	571	good one standing alright on Rt
1055	380	Reversed to Reducing
1100	380	31 MAH.
1105	350	62 "
1115	380	126 "
1120	350	157 " Motive Tender going [illegible]
1125	240	190 " [illegible]
1130	235	200 " No gas at flue dampers
1135	235	219 " slight gas on Rt side
1140	235	238 "
1145	239	257 " gas on Rt side
1147	160	264 " one has several of very gas stack [illegible]
1200	160	284 " both gas [illegible]
Pumping off		Reversed to Only at
1255	250	
105	240	41 MAH.
110	240	61 "
115	230	101 "
120	250	142 "
125	240	206 "
130	240	226 "
135	240	286 "
140	240	306

380 Mallinckrodt Oxide

		MAH.	
215	240	526	
220	235	546	
		380	
220 Reversed		Reduced	
225	230	MAH	
230	236	19	
235	236	35	
240	240	58	
245	240	78	
250	240	158	
310	240	178	
315	240	198	
320	240	236	good on the slight
Reversed		Oxide	
325	240	20	
330	240	80	
350	240	100	
355	240	120	
405	240	140	
410	240	180	
415	240	200	
425	240	240	
430	240	260	
435	240	280	good

Reverse page

Nov 24 1900 —

Tried charcoal plates 10 grms charcoal 4 tar each mixed with 6 grms of about 28 % salt test on Current shows that the Sulphide is the best, Thinks dry plates ½ reduced by the before formed Carbon & Chlor ½ not — all run up slowly at high first — The sulphide plate weighed the most & gave 3 times the response of any other of the plates, plates not reduced by the urea test — Evidently the plates had

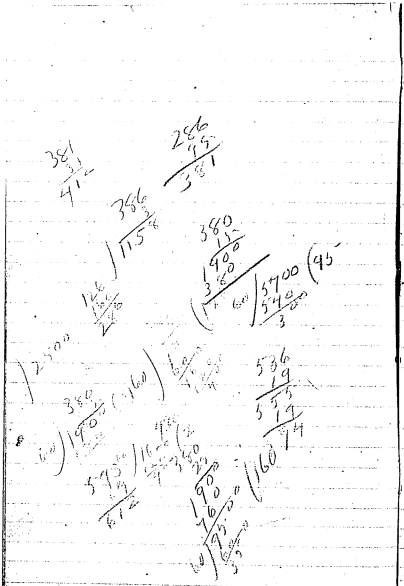
To use FeS often Clogs wherein the other Salts left Metallic Iron — This has that mysterious scale or something produced by high temps which prevents it from being OXIDIZED by Current in KOH — The Sulphide is easily OXIDized & reduced by C in KOH — all that is now necessary is to get Carbon plate more porous so the swelling of the Hydroxide will not dislodge it and tonight we tested 4 plates made from Charcoal & think tar all coked hot — 50 100 150 300 atmos pressure the 50 was very porous & always enough of the Carbon & also took the greatest quantity of KOH —

250 MBA Exdg —

Rev'd	Redug		
4 35	220	18	Now Redug
440	220	54	
5	220	90	
505	210	107	
520	210	124	
535	210	141	
550	210	158	
605	210	175	
620	210	192	Jumped right off my Ni
635	210	209	
			Exdg
735	220		
740	220	17	
745	220	34	
6pm	220	94	
605	220	112	
610	220	152	Opened to
730	230		Redug 230
745	230	19	
753	220	227	
8	220	243	quang & slung

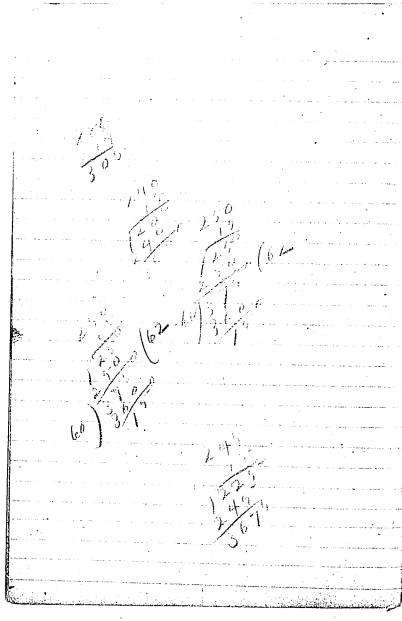
Rev'd	Redug —		
805	240		
820	220	55	
825	220	73	
850	220	164	
9	220	200	quang on Ni's butt
910	220	236	" " slung
925	220	291	" "
930	210	308	" very "

Rev'd	Exdg —		
930	210		
950	220	68	
9pm	220	104	Oxdg
1010	220	140	13
1020	225	176	
1030	225	212	no quang
1035	220	230	"
1040	220	245	1 quang on Ni.
1050	230	264	1 butt quang
			opened for night
920	350		On Reducing
840	350	110	
910	350	285	quang allover boy
935	"	435	" " "
950	370		Rev'd Redug
1025	360	210	
1035	360	270	quang



100 atmos pressure plate
thro 100 on 2½ mesh Charcoal.
hand 1st - - cooked veal lunch
Fell - Mont Pedicure

10 am	380	
1020	350	126 matt
1045	386	286 "
11 pm	350	381 "
1105	385	412
1115	350	474
1120	380	505
1125	240	536
1130	236	555
1135	236	574
1140	235	598
1145	234	612
1149	160	619
1150	160	627
12 noon	160	643 12 noon Charcoal
1255	250	
105	240	683 matt gasq slightly on Ht
110	240	723 " "
115	240	763 " "
115	Reversed to Ords	



763 MAH on Reducing

	MAH		
115	240		Oxdg —
130	240	62	
145	240	124	
150	240	144	
205	240	[illegible]	
210	240	224	
215	240	244	
220	235	264	
225	233	284	
230	236	304	
235	236	324	
240	[illegible]	344	
245	240	364	
250	240	424	
310	240	464	
315	240	484	
325	240	524	
330	245	544	
345	[illegible]	604	
350	245	624	
355	240	644	
405	240	664	
410	240	704	quenching. 704 on Ox
Reversed to Reducing			
410	240		
15	240	20	

709 MAH on 0.25 —

MAH

425	240	60
430	240	60
435	220	100
440	220	125
5 —	220	160
505	210	208
510	210	225
515	210	242
520	210	259
525	210	276
535	220	310
540	220	327
545	220	344
550	220	361
555	220	378
600	220	410
605	236	427
610	236	444
615	230	461
625	230	507
725	230	590

Reduced to 0.25

755	230	
820	220	91
855	220	219
910	220	274

graying heavy slight

Opened 610
Closed 730

graying all over

920	220	310
925	210	327
930	210	344
940	210	378
950	230	412
10pm	220	448
1010	220	484
1020	220	521
1030	222	557
1035	220	575

575 MAH

no graying
7"
just start graying

Opened at 820 slight on Reducing

820	350	
840	350	110
910	360	285
915	360	305
920	360	345
940	360	455
950	370	
1025	360	210
14	360	420
1105	350	448

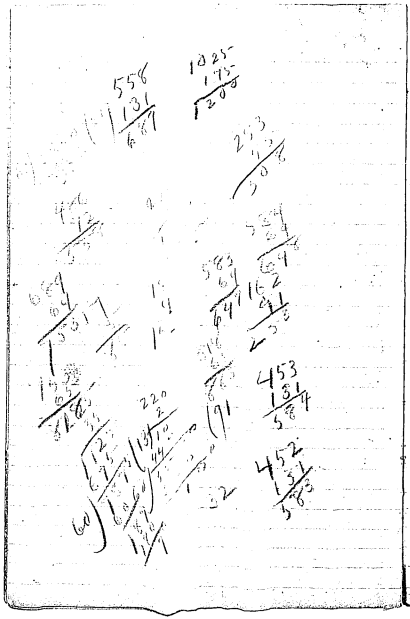
not graying
graying th ni slight
" more freely on Ni
graying all over

Reducing Rerun

no graying
graying slight on Ni

683 Red 1st
704 OX
410 Red
575 OX
448 Red

About 700 lbs ft for Illus Carbon
with Full Capacity



100 or 200 mm KOH dont seem to go out NO5

Sulphide Plate 10 chm 4 Iam 6

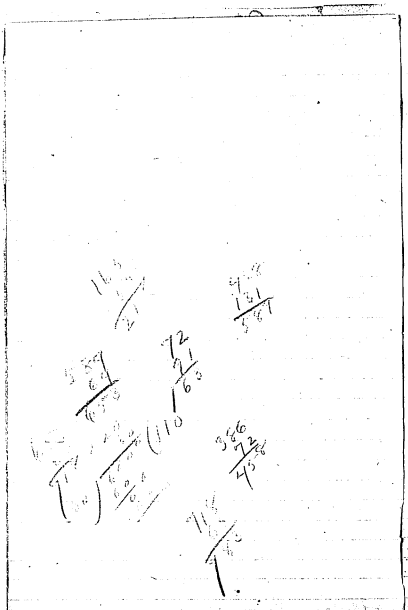
Sulphide Fe - on at 745 50 atmos

		MAH	
745	230		
830	220	162	
855	220	253	
910	220	308	after gas main
930	210	396	thro plate sound
10 pm	220	486	except bulge at centre
1020	225	556	at middle top -
1055	235	689	at top
1055	385		
1105	390	783	
1115	390	818	OX ng -
1125	390	883	
1130	390	915	off for night
820	350		OX
840	350	1025	
910	360	1200	
940	"	1380	
950	"	1440	going slight end ni
950	370		Rewed Redeg
1025	360	260	

2 plates 13 brush full. Ferric chl
many times with NH4 + put in dil HNO3

Rocky

910	708
422	385

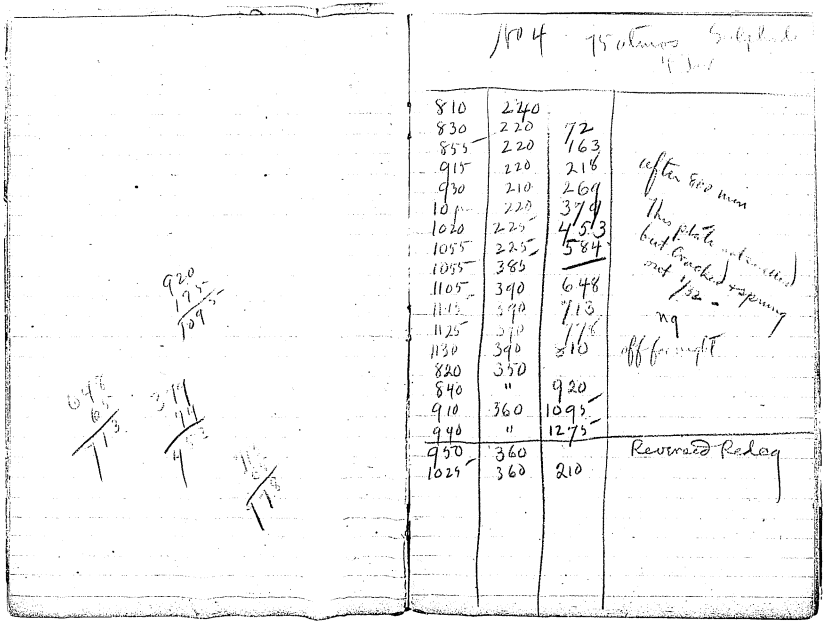


No 6 - 100 atmos Trailla Sulphd.
Ovg 2 Jet marked 4

810	240		
830	220	72	
855	220	163	
910	220	218	
930	210	286	Thoroplate Evaporator
10 pm	220	386	300 Illuminating Gas
1020	225	458	Holder out of use
1035	225	589	
1055	385		Motmuff Jar No 9
1105	390	655	
1115	390	718	
1125	390	783	
1130	390	815	Off for no gas
820	350		OK
840	350	925	
910	360	1108	
940	"	1250	
950	370		Rewind Reday
1025	360	210	

A01 — 10 g Cobalt / 100 ml 200
4 [illegible] — 100 atoms
3 Sulphide [illegible]
Ref Ca 5 / 7 g ms of Ca 5.2

No 2 10 char 5 Jar
100 on 20 No of Jars
4 Carbonate Iron —
Before Carbon & gave off 5.47



1104 75 alum Sept 4 [illegible]

810	240		
830	220	72	
855	220	163	
915	220	218	after 600 runs
930	210	269	
10 [illegible]	220	374	
1020	225	453	Thin plate cracked
1055	225	584	but cracked stopping
1055	385		not 1/32 -
1105	390	648	
1115	390	713	ng
1125	390	776	
1130	390	840	off for night
820	350		
840	"	920	
910	360	1095	
940	"	1275	
950	360		Reread Relay
1029	360	210	

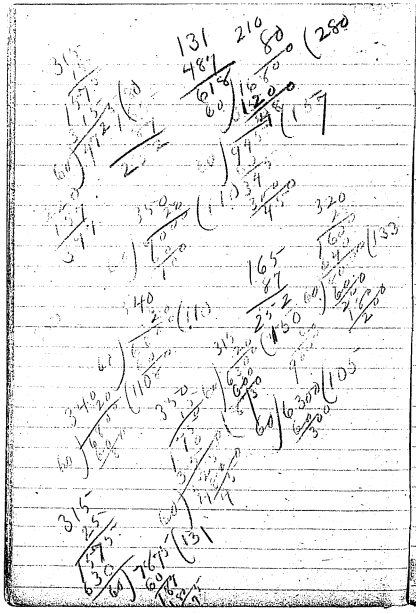
100 on 200 / 102 –
10 chan 47m –

Sulphide –
100 chan

		BAR	
815	240		
830	220	54	
855	220	145	
910	220	208	
930	210	268	
10 pm	220	374	after 800 men
1020	220	452	this plate thin small
1050	230	583	Grit has small piece
1055	385		near both ends
1105	390	647	
1115	390	712	
1125	390	777	
1130	390	809	off for night —
820	350		07
840	"	919	
910	360	1094	plate badly bulged
940	"	1276	
950	"	1330	900 slightly on R
950	Reversed	Redog	
950	370		
1025	360	210	

919
175
1094

376
94
470
112
65
177



No 1 10 Charcoal 100 on 200 100 albumen
4 Tan —
5 Sulphide Print
Before Curing 7 after 5.2

		mAH
350	330	
410	345	110
430	350	220
515	315	377
520	315	487
545	315	618
6 pm	320	700
625	320	833
630	Zero Reading	

grey slight

Allow 20 mA at 630 pm
750 pm 280 mAH

Put 2 tomcats on at 510 150 ma —

Acetate from

			930	600		
900	570	77	940	350	100	
905	590	775	950	330	158	
905	600	525	10 —	345	200	
910	600	575	10 —	200		
915	600	625	10.5	200	216	
920	600	675	10 10	200	232	
925	600	725	10 20	200	264	
930	600	775	10 30	210	296	
940	580	690	10 32	220		
940	—		10 32	150		
950	540	906	10 40	1450	321	
10 —	540	964	10 50		346	

No 2 10 Charcoal 100 in 200 pocket
5 Jar
4 Carbonate Iron
Before Clear 2 grms after 5.49

350	330		
4			Reversed to 0 -
410	345	55	
430	350	165	Yarning Gone
5	345	322	
520	315	432	
525			Reversed Relay
850	600		Reversed Relay

165
19
322

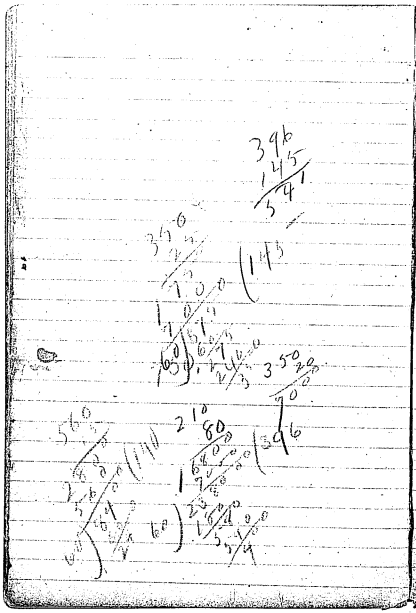
No3 10 Char 100 on 200 100 At
5 Jan *
3. Carb Prod
Before Chgn & after 5.3

	Ma		
350	330		
4—	345		Reversed to Ox
410	345	55	growing some
430	350	105	
5—	315	322	
520	"	432	
525	Reversed		Reday * Hydrogen more High 4 Jan + 3 Carb Ox

Reversed No3 to Reday at
840 360 grassed and full
Reversed to Ox
4 jan 590

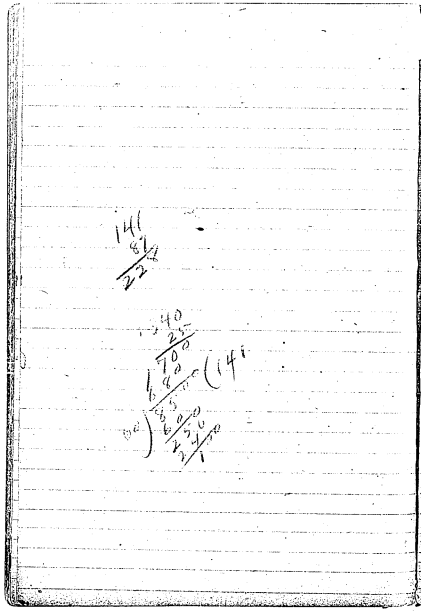
No 4 10 char 100 m 200 100 Cut
4 Jar
4 Comb Brew
Before Clgn 8. after 5:57

3.50	330		
4.00	345		
410	345	55	
430	350	165	
5	315	322	
520	"	432	
525	Reversed Reducing		
835	360	541	
545	"	600	



Nov 5 10 Char 100 on 200 100 Cat
4 Tar
3 Carb Iron
Before Chgs 6 after 527

350	330		
4 —	345		Rewad Ox
410	345	55	
430	350	105	Qong Some
5	315	322	
520	"	432	
525	Reversed		Rod running
630	210	until 750 pm	
810	350	~~350~~	
810	350	396	
835	"	541	
		600	
845	Reversed	Rodeq	
845	560		
9	"	140	qoing



#06 10 Clear 100 to 200 100 values
47 Jan
5 Sulphide Zone
Before Clyde & after C. S.

350	330	
415	345	145
430	350	220
5	315	377
520	11	497

No 7 Chas 100 on 200 100 alums
4 Jars
4 Sulphate Jars
Before Expt 7 pH 5.73

350	330		
415	345	165	
430	350	220	
500	310	330	plate scrubbed
520	315	495	Sulphate
Expt			Reread Reading

7- 20 on 100 = about 30
brushfls. Fr. Cl. at various
times from Weddington. Cl.
Friday - 1st Reduction +

9 am ~~420~~

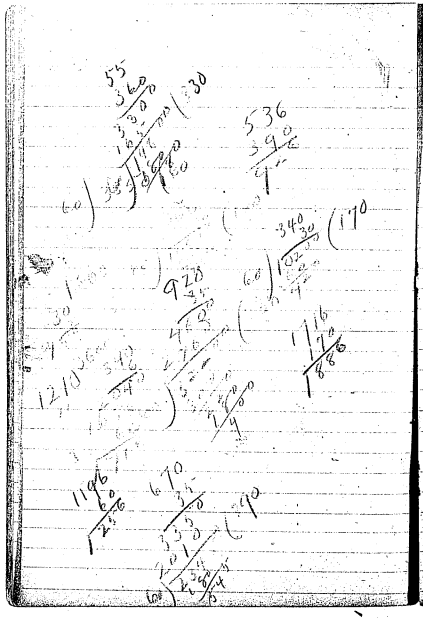
about 2 cu ft/hour
or 12.66 watts to

This shows that if coiled
get 60 brushfls in
coiled get 2½ cu ft hours
420 —

2.5.32

No 2 - One of the 3 - that has been reduced twice & repainted. This is third filling about 35 handfuls - 1st one -

9am	920	



1807

~~675~~ and the pair twice
produced about 30 bromide fils

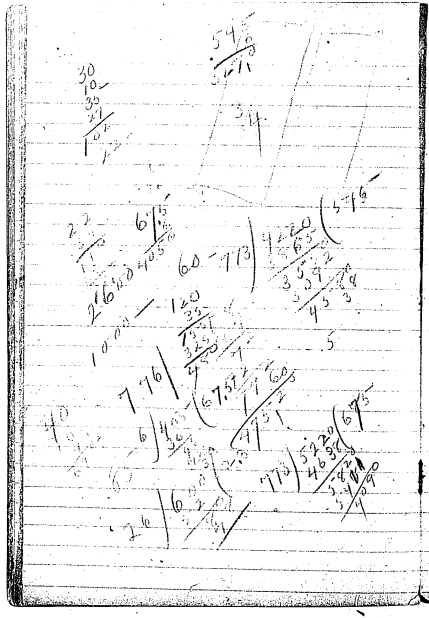
9 am	920				
925	920				
935	670				
1010	670				
1015	360				
1020	360	1316			
1030	360	1076			
1035	360	1166			
1040	360	1256			
1045	"	1166			
1050	"	1166			
110	360	1256			
1110	"	1316			
1115	"	1376	1225	1886	
1120	"	1376	1230	1916	
1125	"	1406	1240	1996	
1130	"	1436	1245	2006	
1140	"	1496			
1150	"	1656			
12	"	1716			
1210		1796			
1215		1826			
1220		1856			

926 MAM 1
Shrunk that dried plate dont print but —

only one small spot scarcely perceptible —

Some little grain

scarcely any gas mark



22 Cells 16 plates per cell
4 X 8 ¼ thick ⅛ apart

Weight of Pkg	106 lb.
" 1/2 Carbon plate	38.8
Wt of Irivin 176 "	21.2
" 176 Carbon "	33.8
Oxygen	1.172
Wt of 20% Solution	126 lbs
Cap. capacity 6400 AH Total	325 lbs
at .9 Volt 5760 VAH	

7.73 HPH.

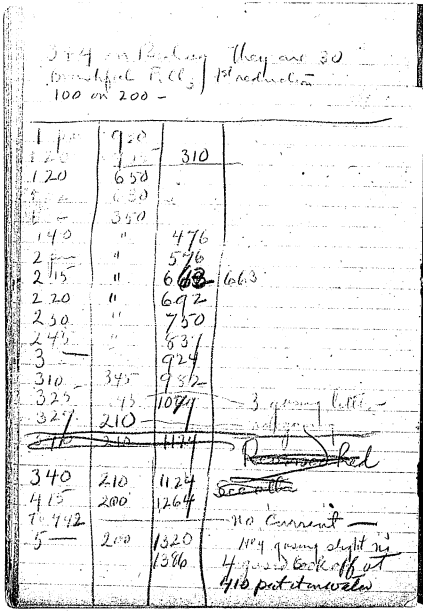
without Cells or box 325
71
70
60
526 lb.

42 lbs per HPH

405 lbs for 6 HP hours
675 lbs for HPH

at .85 Volt on terminal of cell gives 1.8 Hp rate of discharge.

Running returned 3½ lbs per cell = 77
Iron Cells 50 lbs Wood box 71 = 121 lbs



2 3 4 on Rocking Chair Platform Rolls 100 on 200 — They are 30 1st medium

1 1[illegible]	9[illegible]		
1 2[illegible]	1[illegible]	310	
120	650		
1 3[illegible]	6[illegible]		
1 3[illegible]	350		
140	"	476	
2 pm	"	576	
2 15	"	668	663
2 20	"	692	
2 30	"	750	
2 45	"	837	
3 —	"	924	
310	345	952	
325	"	1069	3 grams Little
327	210	1074	
340	210	1124	Recommended
415	200	1264	See other
7 742			no Comment
5 —	200	1320	1104 grams slight ng
		1386	4 good back off at 410 post tension zero

2 5 6 & 7 on Oxd

at 1 pm	930		
120	9[illegible]		
1 20	650	310	
130	630	410	
1 32	350	476	
140	"	476	
2 pm	"	576	
2 20	"	692	
2 30	330	750	
2 45	330	837	
3 —	380	924	
3 10	345	952	
325	"	1069	
327	210	1074	
340		1124	

Recommended range See other

5 grams

342 ng 4

2 stand 4 on 11 at 305

No 7 — to 50 or 100 — 30 minute at most

Reversed to 0% wt

210	350		
215	"	829	
230	"	116	
245		203	
300		290	
Rev Reading			
245	350		
230	210		

Reversed Reading

790	350		
805	360	87	
815	"	174	
900	340		
940	"	60	0%
Reversed Reading			
950	340		
1000	340		
1035	320	186	

Extreme Subjects

Normal subjects

350 mg Lunches

No 1 [illegible]

1st [illegible]

499
174
673

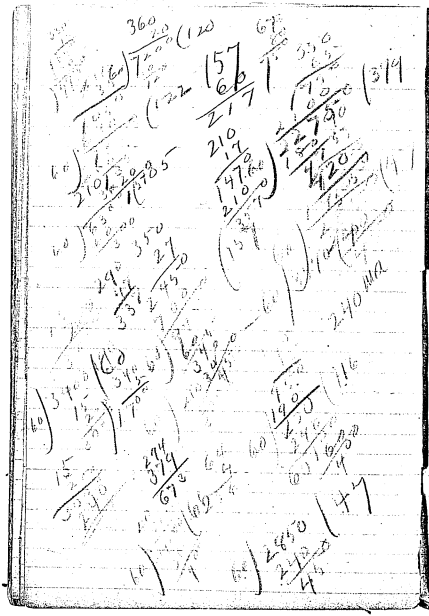
320
35
1600
960
1120
560
560
0

370 / 60 = 6 (166)
60
130
120
10
60
4

350
60
170
120
50
48
2

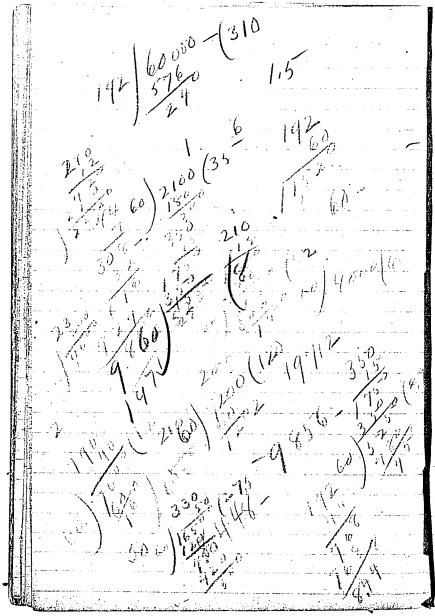
174 / 120 = 1 (54)
120
54

499



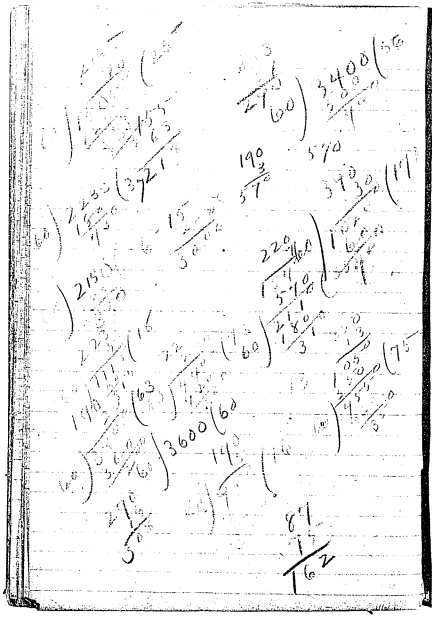
5642 Rusted Rod

330	210		
340		35	
410	210	140	
~~445~~	~~2~~	~~260~~	No Current
445		140	
5		190	
515	200	240	
530	"	290	
545	140	38/4	
6	140		No pump Cntrl.
Rerun			
750	350		
765	360	57	
815	360	114	
835	370	274	6 gauges
940	330	673	5642 OK
			6 Burnt 753 340 Rod
		700	2 gauges
1005		810	



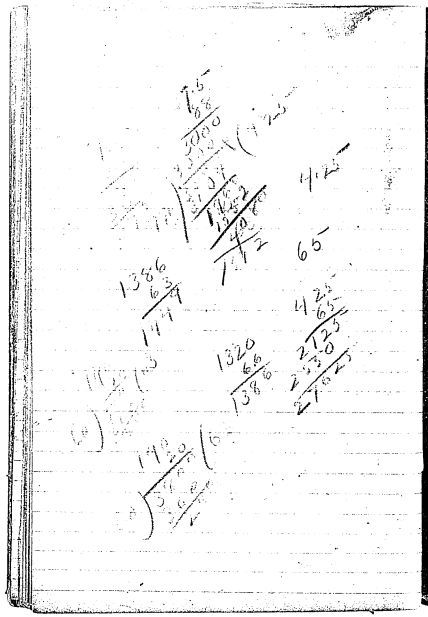
10 — 6 100 m 200 - treated
acetal [illegible] with Ferrous Ox
dis in NH_3 — passing NH_3
on Ferrous chloride —

352	210		Reducing
410			
445	200	70	
5	200	120	
520	4		"
6	190	306	
603	220		
	Ranged Ox		
750	350		
805	360	87	
815	"	174	174
825	"		234
835	"	219	
940		678	going full
	Reactor		Reactor
1	340		
10	340		
340	340	275	
	Thio with		Sulphide NH
			going in Reactor



Returned Today

453			1105	360
519	200	73	"	520 — 35
530	"	123	1120	520 56
535	190	139		
540		155		
6 —	190 —	218		
03	215			
610	220	253		
620	223	290		
625	223	308		
625				
735	210	250		
745	215	286		
Returned		Redeem		
152	350			
	360	73		
	"	162		
15	360	222		
Returned				
35	360			
Returned	10	340	— Redeem	
	1010	360		

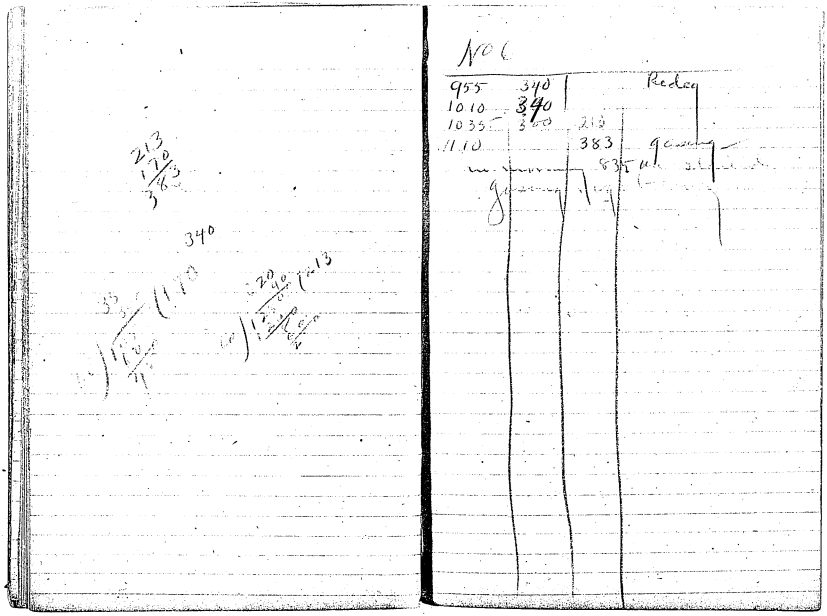


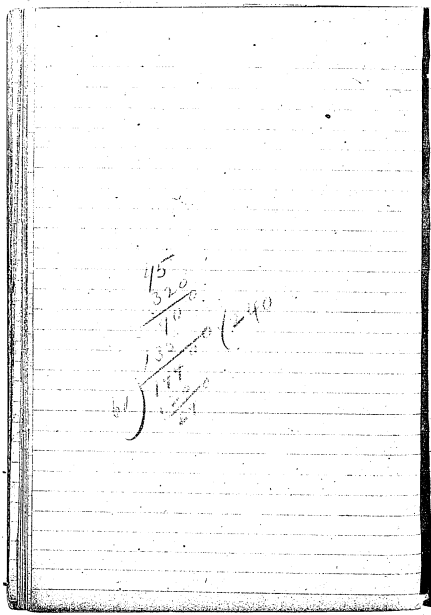
3+4 at 5 o'clock 4 yards
Suspect the Chlorde made
had something to do with it
as it shrunk I have given it a rub
look it out + put it on under
+ hope put it back reducing
agent 1320 Matt coloured

No 3 ok

5 pm	200	1320	Put 4 back under
520	"	1386	5.30 - good just
540	190	1444	same
6 pm	190	1512	3 new yarns
603	218		daylight 5.35
140	350		
535	300		
815	"	1174	bolt yarns
			atmos

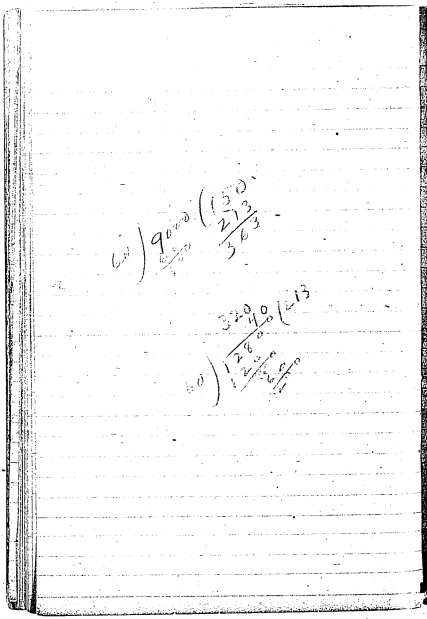
Bolt put to soak
got chlorde out





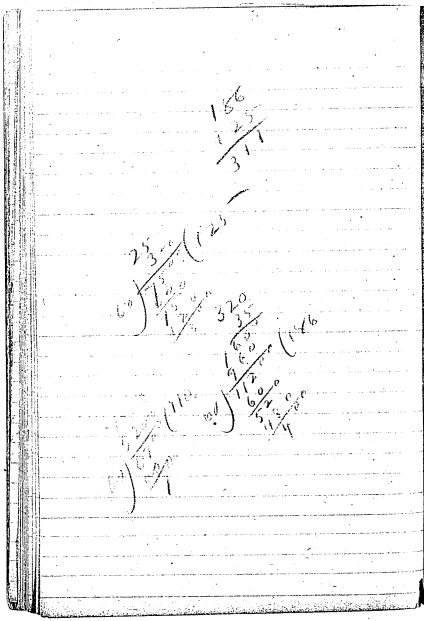
13 to the other plate treated with Ferrous Ammonium but soaked 3 hours in water before putting in cell —

950	320		Resting
1010	390		
1035	310	210	good slight acid
Monday	Ulgamm 66 after 6 hrs fully reduced for dry test put on 4 hr test		453 matt then and only good on Ni strong Shows there is some interference with Chl Ni Hy + or something I put new solution in Monday



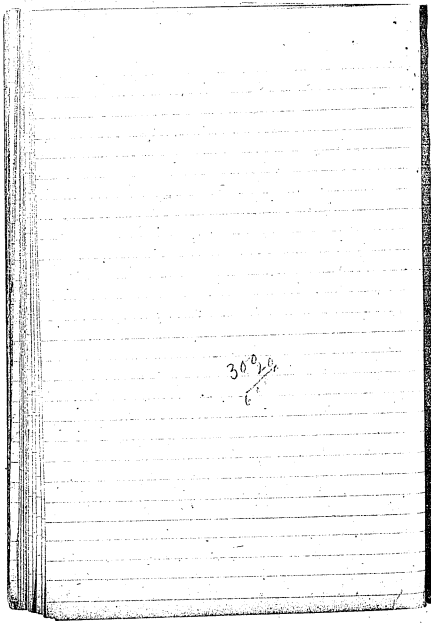
No 2

10	340		Reduce
1010	330		
1040	300	213	
1110	300	363	good slight



No 5

1010	340	810	[illegible]
		Road [illegible]	
~~1040~~	~~340~~		
1010	340		
1045	340	156	
1110	[illegible]	[illegible]	[illegible]
1125	300	44	[illegible]

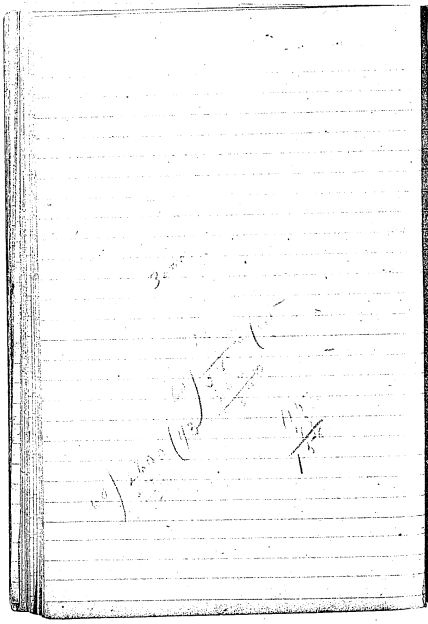


If any of the cells were loaded & discharged making 30 brush[illegible] trickle charged don't work well but the same number of brush[illegible] worked 1st 10 m then declined ~~[illegible]~~ Soaked to get pulsed cells K out + then 10 more brush[illegible] + same process followed + then 10 more work found well, gave 750 to 800 watts. The cells will probably be best after but soaking time needed to decomp & polar. Complete to give porosity to absorb more - underwind Electro hydrolysis not necessary - it will regain 4 or 500 deg as bright as possible [illegible] Carbon

No 4 same as 3
Soaked for 1½ hours put in only - [illegible] soaking
appeared [illegible]

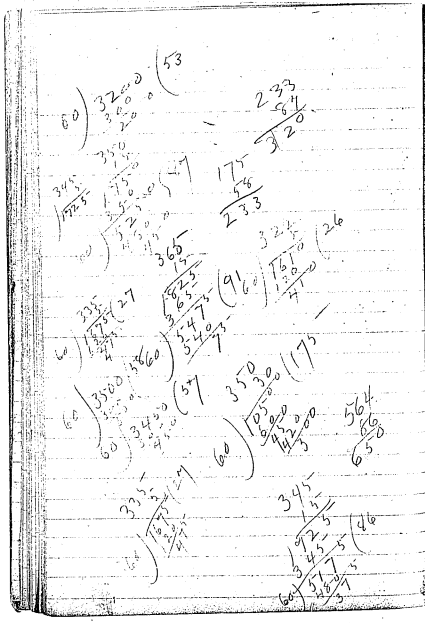
Record Reading

1025	340	
1045	300	100



No 16 [illegible] with about 20 bushels [illegible] cut 9 feet 6 too high [illegible]

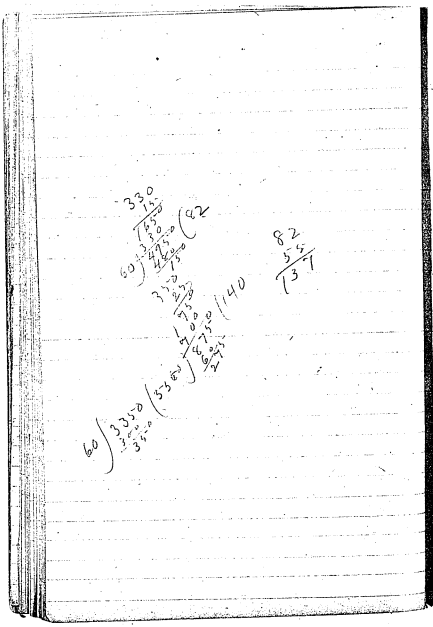
		Pod	
1052	300		
1105	300	13	
1113	"	113	
1115	320		
1120	"	132	



all on 1105 am

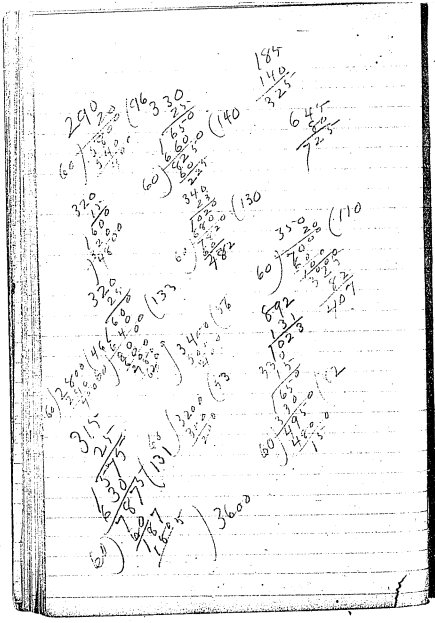
Oxdz

1105	370		
1120	360	91	10 growing bottle
1135	350	175	4 growing 6th
1145	350	233	16 term on shrink cent right wrong
12 - off	350	320	
1 pm	320	378	16 grow 6th
110	320	373	
115	320	408	
120	335	426	
125	335	453	8 13 suddenly growing
130	335	480	206 stable growing on wi pumps barely growing
135	335	507	
145	345	564	245 not grow
2 pm	345	650	2 growing 5th hat
205		683	5 growing



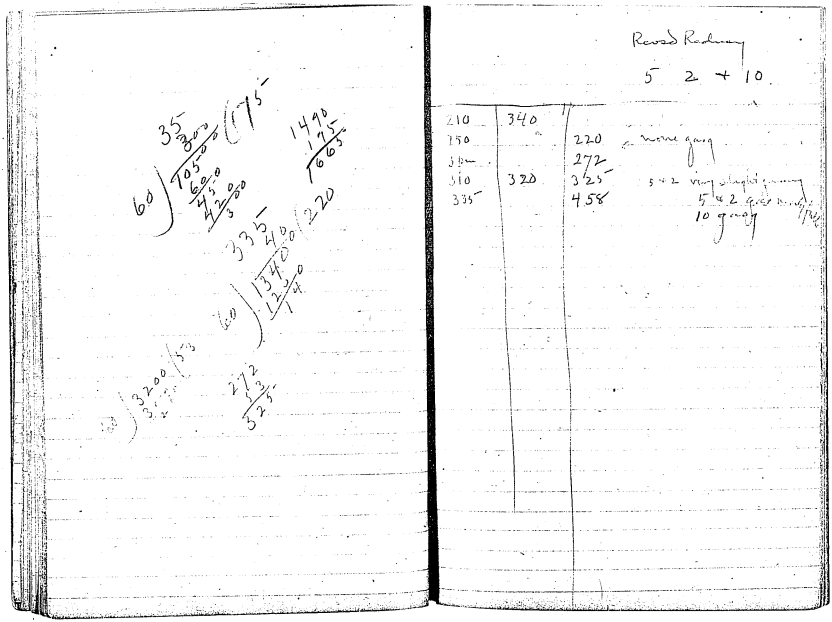
Acetate Record ~~Reading~~ OX

1135	350		
12		140	
105	320	Record of Hydrogen	
120	335 -	82	Sabalan gel was measured at normal - probably caused by too much pressure on OX Tin
130	335	137	found gas on 1st pump at 130 - probably down to too high



		Reduce	
		Nos	3 4 13
			16 6
1.37	335		
2 pm		7 taken off 3 —	
2 pm	340	130	4 gone
2 10	340	186	16 gone
2 35	330	325	6 gone Split
2 50	330	457	3 gone
3 00	320	460	
3 10	320	513	3 or 7 not gone
3 35	320	645	3 gone — 7 not gone
3 50	360	725	7 Still running
4 00	360	785	
4 20	350	892	
4 45	315	1023	Only 7 Running
5 —	300	1100	
5 20	290	1196	
5 30	280	1242	gaining on us

No 7 was healed with Nit Sulphur Ool been changed 3 or 4 times to get rid Sulphur —

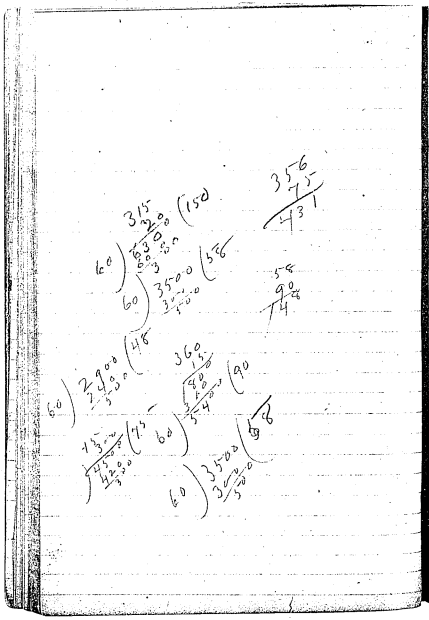

Round Robin
5 2 + 10
210
250
310
335
340
320
220
272
325
458
5 + 2 ring playing groups
5 + 2 Round Robin
10 games

all acetic Fe –

In crowd 250 drop
No 5 & 10 to 200 inject 4 times 5 drops
from Saturday morning – Chan 10 Tan 4
3 pm monday –

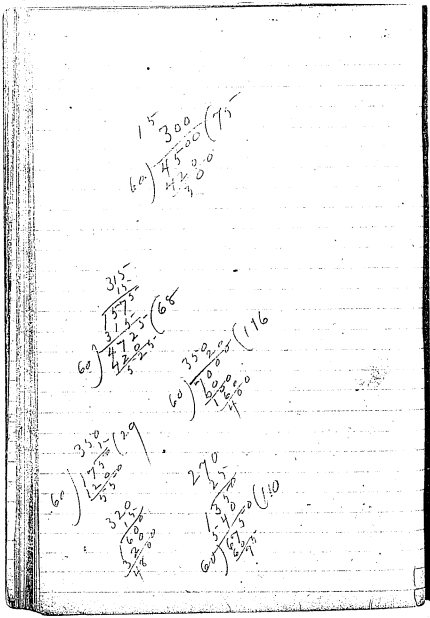
No 1 6 & 13
to 100 or 200 Chan 10 Tan 4
5 drops from Saturday morn –
3 pm monday

No 4 1 & 3 to 50 or 100 – 10 chan 4 Tan
7 drops from Friday noon to 3 pm monday



350	370		
405	360	90	
415	350	146	49 grazing
425	"	206	
445	315	356	
5	300	431	13 grazing
510		481	6 grazing and dead
520	290	529	
530	280	573	5 fair grazing Rd
535	280	600	2 grazing fair
			542 Great, 6 fair
			4 neg

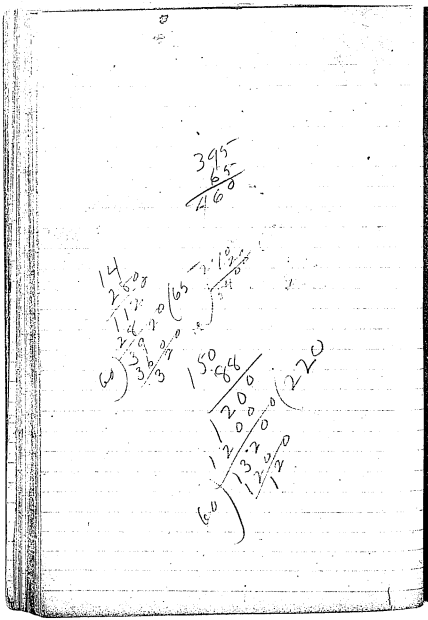
	7 - 0 rd
acct Rods	10 OX
	2 "
	6 "
	5 "
	16 "
	13 "
	3 "
	4 "



Acetate from Ferric

No 20 was a 50 cm. 100 painted 7 times at intervals from Friday till Monday 4 pm — dried 20 ch. hung on hot plate — finished part in drying oven for 1 hour at 250 — then put straight in KOH, about 2.25 grms increase 2 others are stuck in oven all dupes

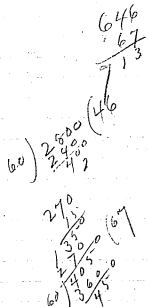
355	360		Reducing —
415	350	116	
425	"	174	
430	330	203	
445	315	271	
5		346	very pale grey on Xd density too high & think grey rather pale in shiny
510		396	
520	290	444	
530	280	500	
535	280	525	
600	270	635	
615	320	715	
617	150		



40 Rodeigh

10 - 7 - 2 - 6 - 5 - 13 - 4 - 40 - 16
Reversed

540	300		~~Rodey~~ Rodey
6	270	90	
613	320	170	
617	150	170	
745	150	395	2 6 4 5 ~~13~~ 13
746	280	395	4 grow little
8	280	460	3 only slight
			7+16 not grow
			10 grow

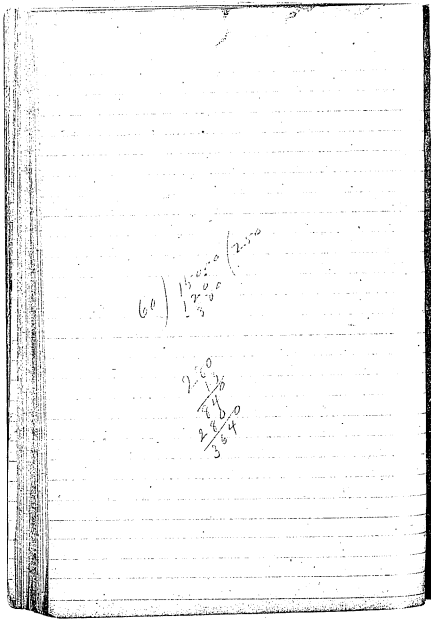


Transf

No 3

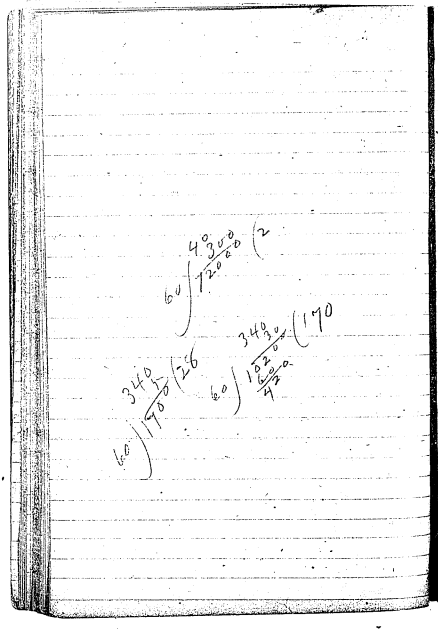
Sulphide HH 4½
Charged Sal 3 times

535	~~250~~	600	OxDz
545	300	646	
6	270	713	
615	320	793	
617	~~150~~	~~1000~~	
745	←	1000	



26- to 100 on 200 10 char 4 lav
Board with Mineke Ferric Acetate
only once Malassez Lake
dished only 1 hour post
replet on KOH

			Weighed 24 hr
600	270		Reduced
615	320	80	
617	150	85	
745	150	305	
747	280		
8	280	365	



OXM

10 – 2 – 6 – 5 – 13 – 4

Rudeq

10 3 –

805	320		
845	300	200	
915	340	370	4 & 13 gauge
920	340	400	6 gauge

460
166
64

320
35
60
16
5
11
60
5

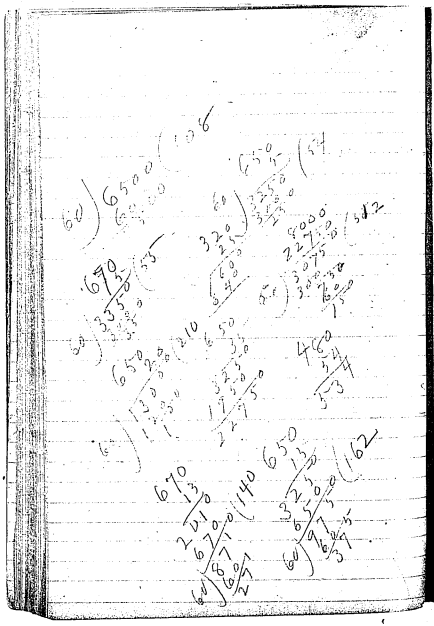
166

No 7-

8	250	460
83	320	646

31 Charcoal + Sulphur Fe grid

915	320	Press - Charcoal Lower Temp + probably Eq dist Constant



32 Flake p&gs + Sulphuric Fe grid

915	320	Reducing
940	650	
1015	650	512 gaining
	Reversed	6502 Oxdg
1025	650	
1045	"	210 no gas
11	"	372
1110	"	480
1115	"	534
1120	"	642
1125	"	750
1130	"	858
1140	"	1072
1150	"	1286
1152	Rev'd	1360 gaining

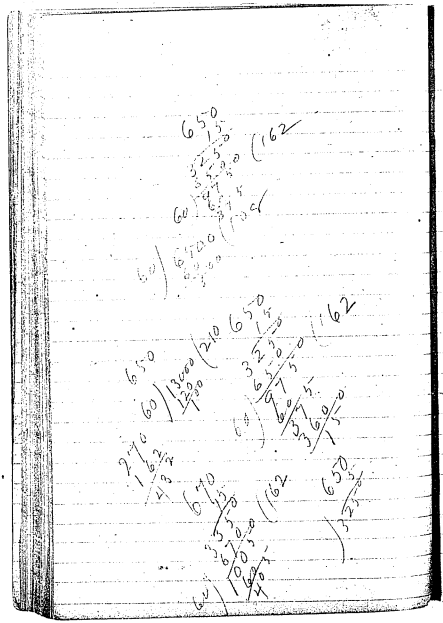
1152	650	Reversed Reducing
1205	670	170
1210	670	195

Soaking — Monday 9.40 pm

Jar No 1 Contains
No 5 6 & 2 which are
of same kind about —

Jar No 2 to 100 in 200 — No 26
treated 10 Grains of Chloride
Oxymuriate Mercury & Cut Root
& Part bruised & reduced
to fine Powder (shown and
Steam plated — Left about 2 pint
out — has a Count 350 Wt 4 in

Jar No 3 Has No 13 in it

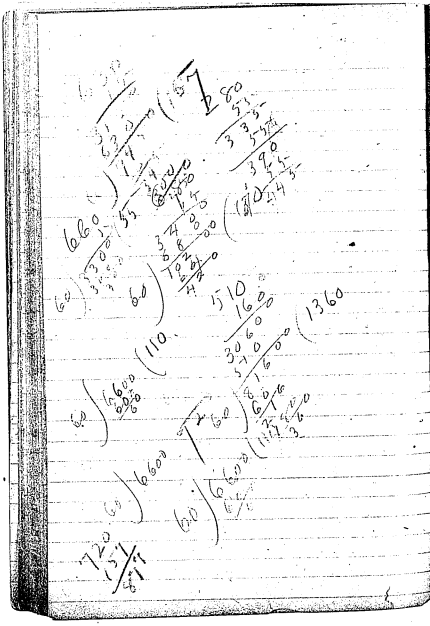


33 Ferric Sulphate Oxdg to Ferrous on dark bed over 50ft — pegged with Dixon pegs on N' grid —

1035	650		Reducing
1050	"	162	
11	"	270	
1115	"	432	
1120	"	540	
1125	"	648	
1130	"	756	
1135	"	864	
1140	"	972	two
1150	"	1188	Reversed
1150	650	Reversed Oxdg	
1205		162	
1210		217	

34 = Duron pbq+ Spalitu Shimpkddiy

1120	650	
1140	"	432 grey + bubbles + tail
1150	"	648
1150	650	Runner Only
1		



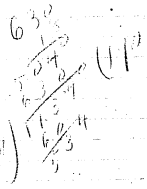
34 – 36 volunteers Dry Flop w/ by bat – 33 + 32
all left Redmond at 1230 on (Am)
170 ma ——— in morning 160
8 hours 30 min
1360 mAH –

[6 x 9 –

9:10	680		all but 34 Kept going quick slowing after
9:21 –	680	170	
9:35	660	280	Current was off-slide
9:49	660	335	going 10 minutes after 34 stopped w/ 1/2 inhaled after opening –
9:45	"	390	
10:00	"	445 x	With C on 680 ma
10 –	"	555	all but 34 go slightly
10:2		665	after 6 going on 5th hour –
10:15 –	630	720	
10	"	871	34 435 going strong Not so fast 34 56 on opening after 1st 1/2 gas absorbed slightly – 938 Reversed 34 456 Ruby

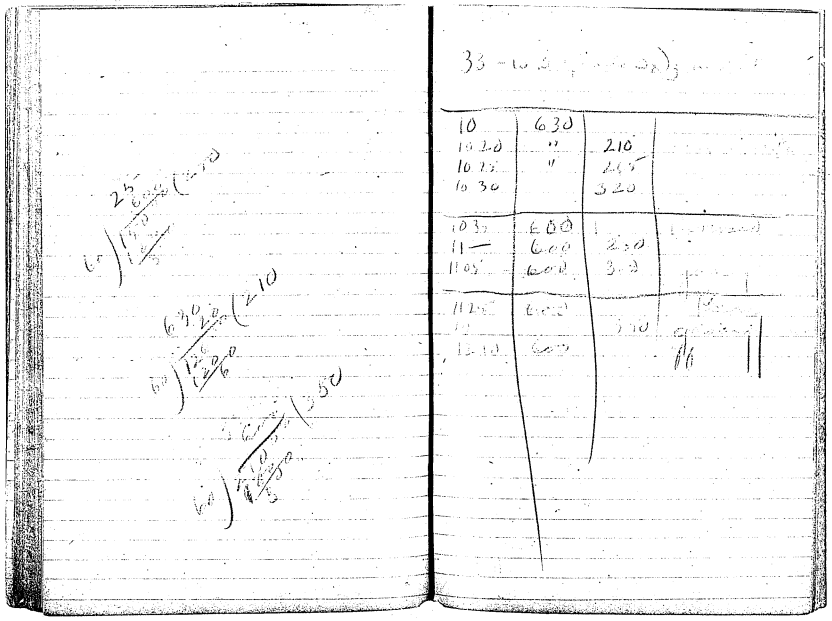
33 going Reversed Ruby 10 on 680

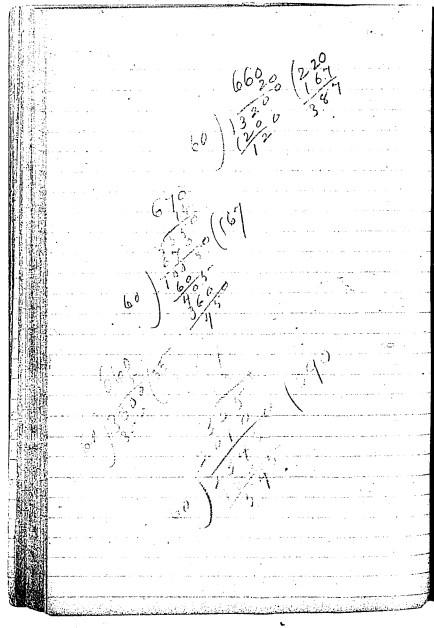
32 going very slate



38 – grid with Pbqo or Probabilistic Proof

957	660		
1015	630	170	
1055		270	



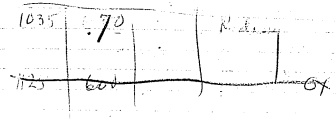


34 - 1) subplanet in battle
+ Plato

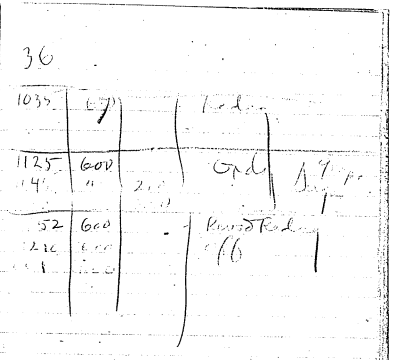
Reduce

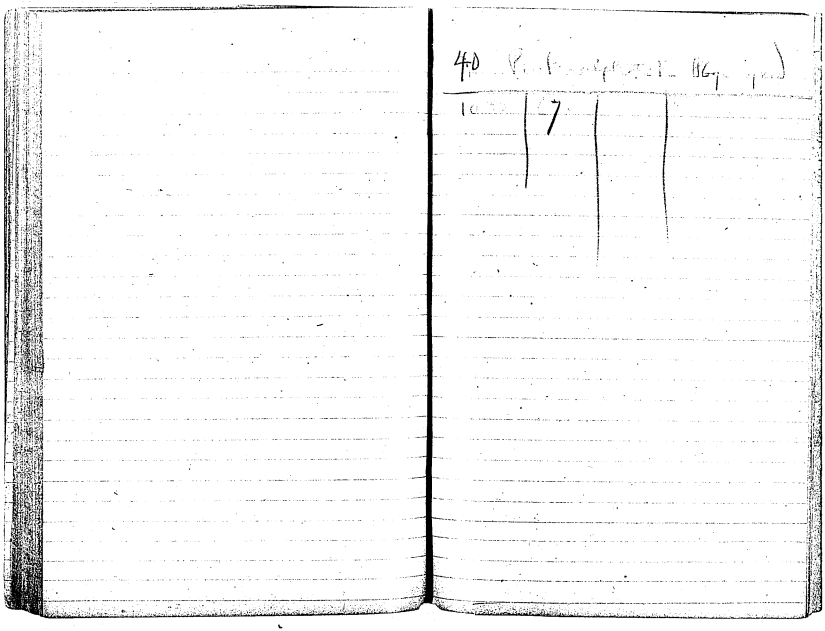
10 40	670	70	
11 =	2 60		Reduce
	660		
2 35	680	Ex	
2 50	670	167	
3 10	660	3 67	
3 15		#42	
3 20	640	Reduce	
3 25			

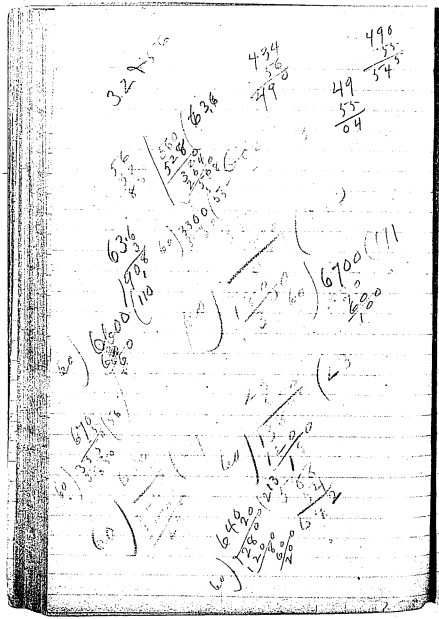
34



36







32 - Reverse Sides F.S. Pg 90
5/5" Mult on 0

1135	650	650
1110	650	650
1115	"	650
1120	"	650
1125		650
1130	600	550
1135		
1140	600	550
1145	"	550
1150		
1155		
1200		
1205		650
1210		650
1215		650
	650	650
	650	650
	650	640
15	640	640
10	640	645
1140	650	Reverse Relay
2	630	213
210	670	220
220	670	227
230		240

230 660 545

OVER

32

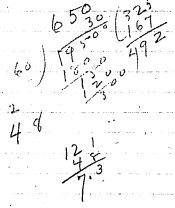
235	680		OX
250	6[illegible]	167	
3[illegible]	[illegible]80	280	
320	640	473	
330	640	599	
335	690	650	
340	620	700	
340	Revised	Redeg	
340	660		

.00 MATH 430

1.9 Met 7c

41 [illegible] Empty 4.5
Yelle 10:1
6 grams in [illegible] FES
Hwo 200 in + Dg mes flake pg 70

1.90	640	OX
Reduce	at	
155	650	
314	650	Revised Redeg
355	670	OX
315	660	220
320	640	275



42

FeS - powdered thru 200 grid Empty 4.8 filled 12.1

~~FeS~~ .7300 of mixture of sulfide 7/10 is FeS + 3/10 pbso

205	670	OK
235	680	Redo
250	670	167
320		442
325	640	547 gassy slight

2.16 gram Nickel

43 FeS powdered thru 200 mesh
Empty grid 4.3 filled 12.2
.7900 mgm of which
8/10 FeS 2/10 $PbSO_4$

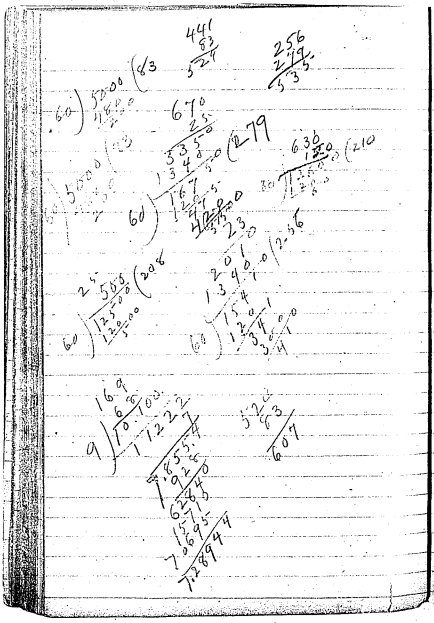
205	670		ox
			6.48 grams FeS
235	680		Reduc
250	670	167	4.12 grams Fe
320	640	492	
330	640	592	
335	620	642	

12 2 / 0 39 / 1

6.32 grams purchased from Thomas best so far

700 mesh or 6 or 7 grams Thos after 4 ox Reduc

Brot 39 which is next best they have less sulphide & may be better



grd 6.8
filw 16.9 - Hg 7 grms Plgo 2 grms

44 ½ Hg0 ½ · graphite

227	660		Redeq
290	670	256	
315	—	535	
335	620	745	

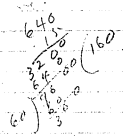
11.9
5.2
6.7

6.5 9.6 (2.10)
8.9) 15.9.0
13.7

45 — grad Empty 5.2 Dry
full 11.9
FeS 20 on 40 mesh
proportion — 7 grms FeS 3 grms Pbgo of
of the 6.7 grms total —

3pm	6.70	
320		210 grms
322	6.92	Reding

7.4 — [illegible]



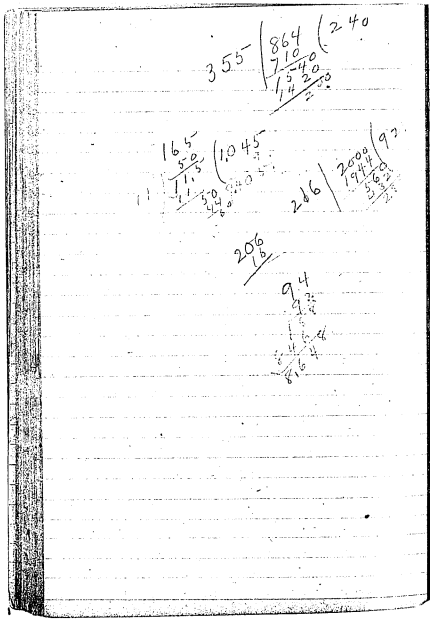
46 Same as 45 Except wet with KOH when packed —

313	660	
330	640	160 —

Bottle Empties West 6.3 ℔
1 Jar 10.0 "
Brunswick cum 8.— "
Plumbago 2 — "

47

9th 6,32
Lowdes 10 5
Properties 8 of Brown OXFam Mark
2 Pbgp



Hg
48 grid Empty 5
Loaded 16.5 — 15 l/min 30 day for weekly
Propeten 9 grms HgO
2 " PbO
This has asbestos in top

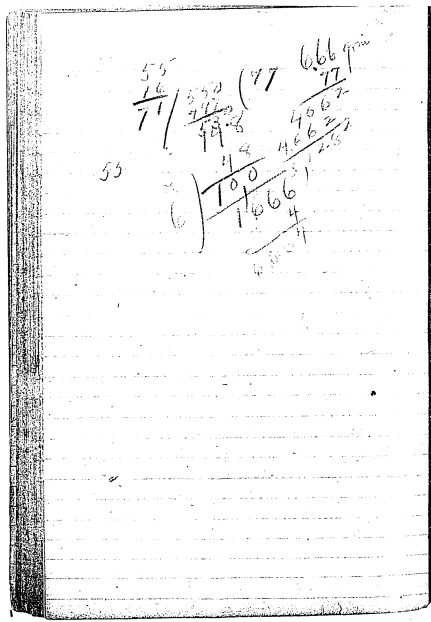
9.4 grms Mercury Oxide = HgO
8.64 grms Metallic "
2.4 amptt d ett to by of
Calculation are right

107
6
5 | 46
92
3
6
21

grad Ep pH 6.1
filled 10.7

49 — prepstn 3 of moist ferric Hydte
2 pkgs —

2.76 grms Moist Hydrate



50

grad cylinder 4.8
full 14.8
proportion of Mn gram to H2O
plus

6.66 gm MnO_2
5 gm = MnO —

51 grid ref 6'6
full 11.2

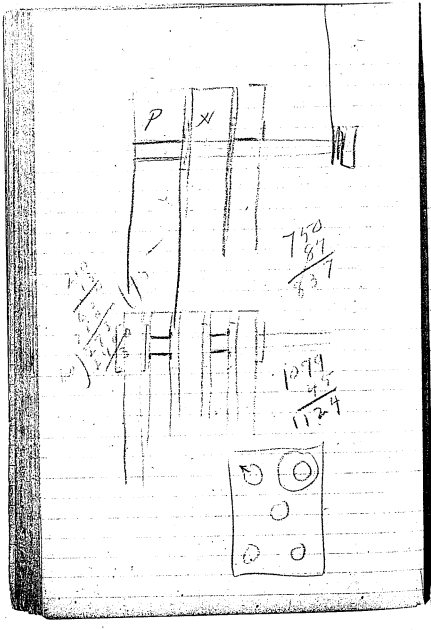
Prop
5 of Mount Mts
2 Frogs

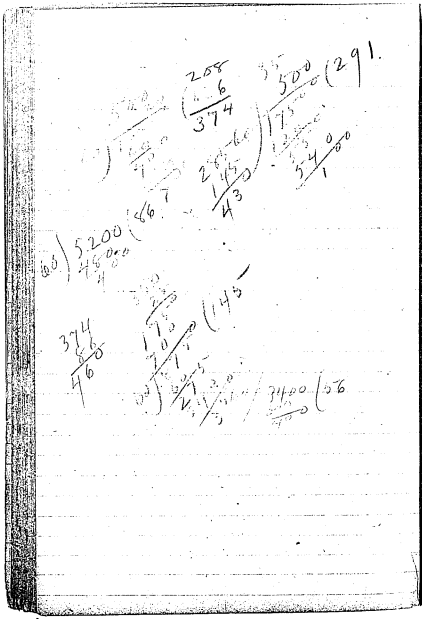
F2 MnS made by fusing Chromite with sulphur

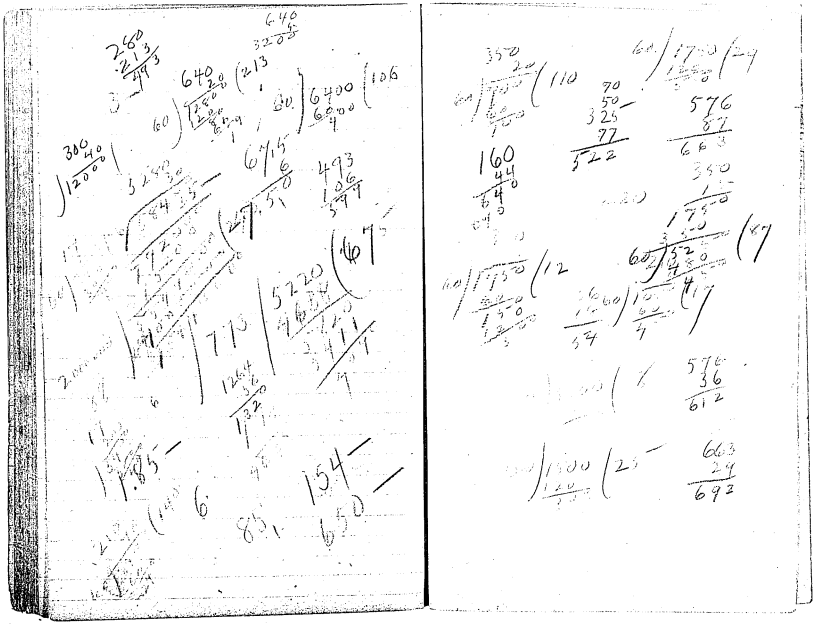
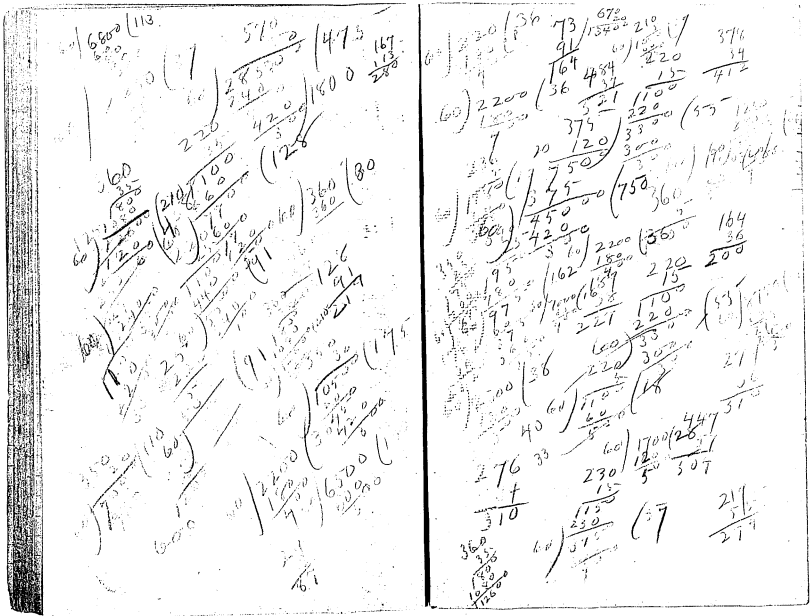
pbqo

pbqo [illegible] 6.8
fuel F1 11.4
MnS 5 pmts
pbqo 2 pb -

53— MnS. made by Reflux
Dried H_2S Bubbled
proptics 3 MnS 4 ZnS


P
N



29
176
576
672
120
20
60) 1860 (10
1800
60

360
30
60) 10800 (180
600
0
350
200
60) 7000 (110
600
100